AFRL awards $2.4 million contract to Texas firm

by Fran Crumb, Information Directorate

ROME, N.Y.— The Air Force Research Laboratory has awarded a $2,413,626 contract to CAESoft Corp. of Rockwall, Texas, for software development to enhance capabilities in signal processing technologies.

The three-year agreement, "Space and Air-Based Simulation Using the RLSTAP Simulation Tool," is partially funded by AFRL and NASA's Jet Propulsion Laboratory.

"CAESoft engineers will develop enhancements for the evaluation of advanced signal processing technologies needed for the successful deployment of space-based radar," said Doug Lynch, program manager in the Sensors Directorate at the AFRL Rome Research Site. "They will be utilizing the Research Laboratory Space-Time Adaptive Processing (RLSTAP) algorithm development tool."

RLSTAP was created by the Sensors Directorate's Radar Signal Processing Branch, in conjunction with CAESoft Corp. Prior to its development, the testing process was both expensive and labor-intensive. RLSTAP is a radar system modeling and analysis tool that generates high-fidelity radar data for evaluation of radar system performance for advanced airborne and space-based radar platforms. It can process and evaluate measured radar data and simulate airborne, spaceborne or ground-based multi-channel radar data in jamming and clutter environments. @